

Serial No. 09/746,068

REMARKS

Applicant requests reconsideration and allowance of the present application in view of the foregoing amendments and the following remarks.

Claims 1-16 are pending in the present application. Claims 1 and 9 are the independent claims.

Claims 1 and 9 stand rejected under 35 U.S.C. §101 because the claimed invention is directed to non-statutory subject matter. All rejections are respectfully traversed.

Independent claim 1 recites, *inter alia*, a first processor, having a single program counter, configured as hardware implementation to execute an entire instruction set corresponding to the variety of processes, and a second processor configured as hardware implementation to execute a portion or entirety of the same instruction set that the first processor executes, said second processor including a plurality of program counters for executing a plurality of processes simultaneously so as to execute a part of said instruction set corresponding to the specific process more efficiently than said first processor.

Independent claim 9 recites, *inter alia*, a first processor, having a single program counter, configured as hardware implementation to execute an entire instruction set and designed to execute variety of processes, and a second processor configured as hardware implementation to execute a portion or entirety of the same instruction set that the second processor executes, said second processor including a plurality of program counters for executing multiples of the variety of processes concurrently so as to achieve more efficient execution than said first processor.

As independent claims 1 and 9 have been amended to clarify that the processing device is limited to a hardware implementation, Applicant respectfully submits that independent claims 1 and 9 now even more fully comply with the requirements of 35 U.S.C. §101. Favorable reconsideration and withdrawal of the rejection of claims 1 and 9 under 35 U.S.C. §101 are respectfully requested.

The Office Action indicates that claims 1 and 9 are allowable over the art of record.

In view of the foregoing, Applicant respectfully submits that the independent claims patentably define the present invention over the citations of record. Further, the dependent claims should also be allowable for the same reasons as their respective base claims and further due to the additional features that they recite. Separate and individual consideration of the dependent claims is respectfully requested.

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Serial No. 09/746,068

Applicant believes that the present Amendment is responsive to each of the points raised by the Examiner in the Official Action.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: 9 November 2006

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on November 9, 2006

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